PTO/SB/01 (12-97)

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION			Attorney Docket Num	nber	
			First Named Inventor		
			COMPLETE IF KNOWN		
(37 CFR 1.63)		Application Number	/		
□ Daalaastiaa			Filing Date	6/2/98	
Declaration Submitted OR with Initial Filing	Declaration Submitted after Initial	Group Art Unit			
		Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name		

As a below named inventor, I hereby declare that:							
My residence, post office add	dress, and citizenship are	as stated below next to my	y name.				
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Construction and use of catalogued nucleic acid libraries that contain advantageously adjusted upresentations of defined components							
the specification of which is attached hereto OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International							
Application Number and was amended on (MM/DD/YYYY) (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.							
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO			
PCT US97 10748		6/18/1997		0000			
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:							
I hereby claim the benefit und	der 35 U.S.C. 119(e) of any	y United States provisional	application(s) lis	ited below.			
Application Number(s)	Filing Date	e (MM/DD/YYYY)	numbe supple	onal provisional application ers are listed on a emental priority data sheet SB/02B attached hereto.			

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box -

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.												
U.S. Parent Application or PCT Parent Number						Parent Filing Date Parent (MM/DD/YYYY)				t Patent <i>f applical</i>		
09/034,724						0	3 /0	4/1998				
Additional	U.S. or F	CT internationa	ıl applicat	ion numbers a	re listed on	a supp	olementa	al priority data	sheet PT	O/SB/02	B attached h	nereto.
		ereby appoint the	·			s) to pi	osecute	this application	n and to	transact		
and Hademark	Onice a	miecied merew		Customer Nun OR Registered pra		name/registration number listed below						Code
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Additional i	registered	f practitioner(s)	named o	n supplementa	ıl Registere	d Prac	titioner I	nformation she	et PTO/	SB/02C a	attached here	eto.
Direct all corr	Direct all correspondence to: Customer Number or Bar Code Label											
Name		Jay										
Address	DIVERSA CORP.											
Address	10465 Soccento Valley Rd											
City		San	Oie	go		s	tate	CA	ZIP	92	-121	
Country		1 3 3 5 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7		ne (80	0)5	723-	2990	Fax	(619	623-	5170	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.												
Name of Sole or First Invento : A petition has been filed for this unsigned inventor												
Given Name (first and middle [if any]) Family Name or Surname												
Jay M. SHORT												
Inventor's Signature		' 4	2	2.0	love	1					Date	5/29/98
Residence: City * Encinitas State *CA Country * USA Citizenship *USA						*45A						
Post Office Address 320 Delage Or												
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Additional				n thesu	upplement	al Add	litional	Inventor(s) s	heet(s)	PTO/S	B/02A attac	ched hereto





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PTO/SB/02B (3-97)
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DECLARATION — Supplemental Priority Data Sheet

Additional foreign applications:							
Prior Foreign Application Number(s)	Country		eign Filing Date MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO		
				000000000000000			
Additional provisional applications: Application Number Filing Date (MM/DD/YYYY)							
Additional U.S. applications:							
U.S. Parent Applicat Number	tion PCT Pare		Parent Filing Date (MM/DD/YYYY)		Parent Patent Number (if applicable)		
08/665,56	65		06/18	/1996			

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Applicant, Patentee, or Identifier:	
Filed or Issued: Filed 6/2/98 Title: Construction and use of catalogued nucleic acid libraries that contain advantageously adjusted representations of defined contain advantageously adjusted representations of defined contain purposes of paying reduced fees to the Patent and Trademark Office described in: the specification filed herewith with title as listed above. the application identified above. Thave not assigned, granted, conveyed, or licensed, and am under no obligation under contract or lateral contract or la	
Filed or Issued: Filed 6/2/98 Title: Construction and use of Catalogued nucleic acid libraries that contain advantageously adjusted representations of defined contain advantageously adjusted representations of defined contains a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 for purposes of paying reduced fees to the Patent and Trademark Office described in: The specification filed herewith with title as listed above. The patent identified above. The have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or lateral contains and application under contract or lateral contains and	
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I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or la	
grant, convey, or license, any rights in the invention to any person who would not qualify as an independent under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualibusiness concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).	dent inventor
Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or a obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed	
No such person, concern, or organization exists.	
Each such person, concern, or organization is listed below.	
DIVERSA CORP.	
10665 Sorrento Valley Rd San Diego, CA 92121	
Separate statements are required from each named person, concern, or organization having rights to the stating their status as small entities. (37 CFR 1.27)	he invention
I acknowledge the duty to file, in this application or patent, notification of any change in status resulti entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 Cl	e fee or any
Jay M. SHORT	
NAME OF INVENTOR NAME OF INVENTOR	1
* 1 7 Mg	
Signature of inventor Signature of inventor Signature of inventor	
* 5/2/98	
Date Date	

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A 44

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number STATEMENT CLAIMING SMALL ENTITY STATUS Docket Number (Optional) (37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN Applicant, Patentee, or Identifier: Application or Patent No.: Filed or Issued: Filed 6/2/98 Title: Construction and use of Catalogued nucleic acid libraries that contain advantageously adjusted representations of defined components. the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below: DIVERSA CORP. NAME OF SMALL BUSINESS CONCERN ADDRESS OF SMALL BUSINESS CONCERN 10665 Sorrento Valley Rd. 3an Diego, CA 92121 I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time, or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both. I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in: the specification filed herewith with title as listed above. the application identified above. If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e). Each person, concern, or organization having any rights in the invention is listed below: on such person, concern, or organization exists. each such person, concern, or organization is listed below. Separate statements are required from each named person concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27) I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)) Jay M. SHORT NAME OF PERSON SIGNING **SIGNATURE**

ASSIGNMENT OF APPLICATION (In lieu of form USPTO/SB/15)

Whereas, I, Jay M. Short, of San Diego, hereafter referred to as "applicant", have invented certain new and useful improvements in: "CONSTRUCTION AND USE OF CATALOGUED NUCLEIC ACID LIBRARIES THAT CONTAIN ADVANTAGEOUSLY ADJUSTED REPRESENTATIONS OF DEFINED COMPONENTS" for which an application for a United States Patent, filed today, Friday, May 29, 1998 (attached herewith).

Whereas, Diversa Corporation of San Diego herein referred to as "assignee" whose post office address is 10665 Sorrento Valley Road, San Diego, CA 92121 is desirous of acquiring the entire right, title and interest in the same.

Now, for good and valuable consideration, the receipt whereof is acknowledged, I, the applicant, by these presents do sell, assign, and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title, and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 29 day of May	, 19 <i>98</i> , at <u>San Diego</u>
	Applicant's Signature
State of <u>California</u>) County of <u>San Dieso</u>) ss:	
Before me personally appeared said	M. Short see his free act and deed this <u>29</u> day of
Seal Paula Ann Devereux Comm. #1130636 Comm. #1130636 SAN DIEGO COUNTY OF Comm. Exp. March 23, 2001	Haule Cenn Severeng Notary Public